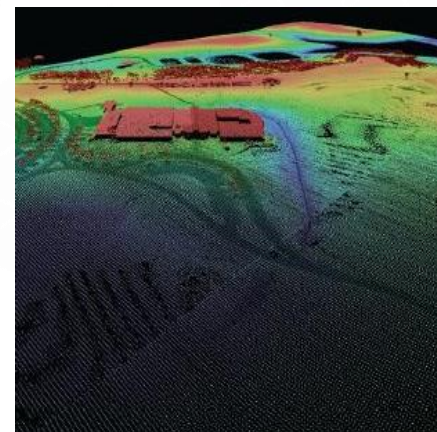
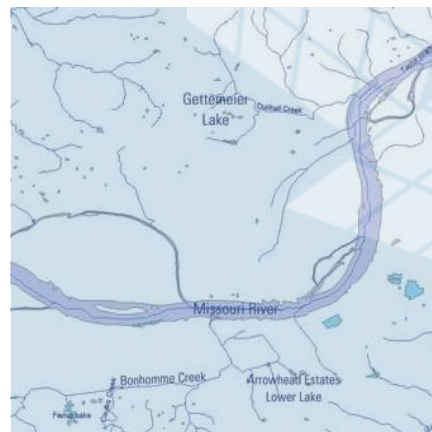
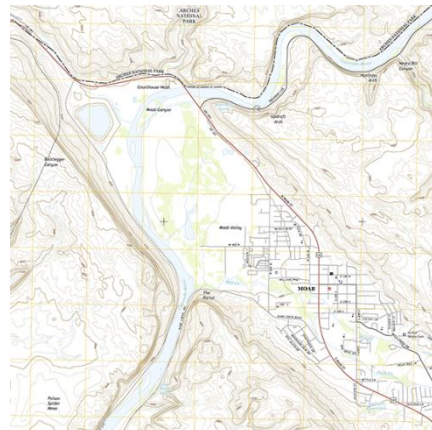




# Online Videos: Using The National Map Products and Services



**Claire DeV Vaughan**  
**USGS National Geospatial Program**  
**National Map Liaison for Oklahoma and Texas**  
**June 6, 2017**



# + The National Map

2

A robust suite of geospatial products and services

The screenshot displays the USGS The National Map website interface. The header includes the USGS logo, the text "The National Map" with the tagline "Your Source for Topographic Information", and navigation links for "USGS Home", "Contact USGS", and "Search USGS". A "Follow @USGSTNM" button is also present.

The main content area is titled "Data Download and Visualization Services" and is organized into several categories:

- Maps:** Download Maps, Explore Historical Topo Maps and Download, Buy a Printed Map, CSV of Map Products.
- GIS Data:** Download GIS Data, Cloud Browse, FTP Access, Small-scale Data, Historical Data Archives, Hazards Events.
- Visualization:** TNM Viewer, TNM Viewer (legacy), List of Map Services, How to Use Map Services, Map Service Status, Advanced Viewers.
- Applications:** TNM Download Client, TNM Mobile, USGS Streamer, Application List.
- Tools:** Elevation Tools, Metadata Lineage Reporter, Point Query Service (PQS), Raster Conversion Tools, Topo TNM Style Template, Other API Example Demos.
- More Information:** How To Videos, FAQs, List of Datasets, TNMAccess API, TNM Metrics, Contact Us.

The "How To Videos" link in the "More Information" section is circled in red. To the right of the main content area, there is an "Important Notice" section stating that the new TNM Viewer has been released and will replace the legacy viewer by the end of September 2017. Below this is a "What's New" section with a list of recent updates, including scheduled maintenance and new download products.

The footer contains links for Accessibility, FOIA, Privacy, and Policies and Notices, along with the U.S. Department of the Interior and U.S. Geological Survey information. The URL is <https://viewer.nationalmap.gov/launch/>, and the page was last modified on 06-Mar-17. The USA.gov logo is also present.

# + Background

- A group of National Map Liaisons in the National Geospatial Program were awarded a grant (\$20,000) from USGS Office of Employee Development, to create web-based training for employees in FY15
- Initial audience was intended to be USGS Hydrologists and GIS Specialists in the 40 USGS Water Science Centers
- Creation of the lessons has been a flexible process
  - determine content to be covered
  - how information would be conveyed
  - how it would be made available
- Currently ~30 narrated videos, each approximately 5-10 minutes long, depending on content

Downloading Data with The National Map Download Client

USGS The National Map

TNM Download (v1.0)

Datasets

Advanced Search Options

Keywords (e.g. Maps)

Map

US Topo

Historical Topographic Maps

Data

Boundaries - National Boundaries

Elevation Products (3DEP)

Product Search Filter

All Subcategories

1 arc-second DEM

1 meter DEM

1/3 arc-second DEM

1/9 arc-second DEM

2 arc-second DEM - Alaska only

5 meter DEM (Alaska only)

Contours (1:24,000-scale)

File Formats

ArcGrid

GridFloat

IMG

Data Extent

1 x 1 degree

More Layers

Product Availability

Product Preview

Elevation Source Data (3DEP)

Hydrography (NHD) and Wetlands

Product Search Filter

All Subcategories

National Hydrography Dataset

National Hydrography Dataset Plus

National Watershed Boundary Dataset

USGS

Hydro (Hydro)

Culver

USGS

5:29 / 11:47

## Digital Elevation Models, Hydro-Flattening, and Hydro-Enforcement

### The US Interagency Elevation Inventory (USIEI) (Lesson 11a)

Press **Esc** to exit full screen

United States Interagency Elevation Inventory

IDENTIFY BASEMAP SHARE

Zoom to STATE/TERRITORIES

Zoom to COUNTY/ISLAND

RELATED LINKS

DOWNLOAD MORE INFO PNG CONTACT

DATA TYPE

Data Inventory Current as of March 2018

Topobathy Shoreline Lide

PSAR Data

Bathymetric Lide

NOAA Hydrographic Surveys

USACE Dredge Surveys

Trackline Bathymetry

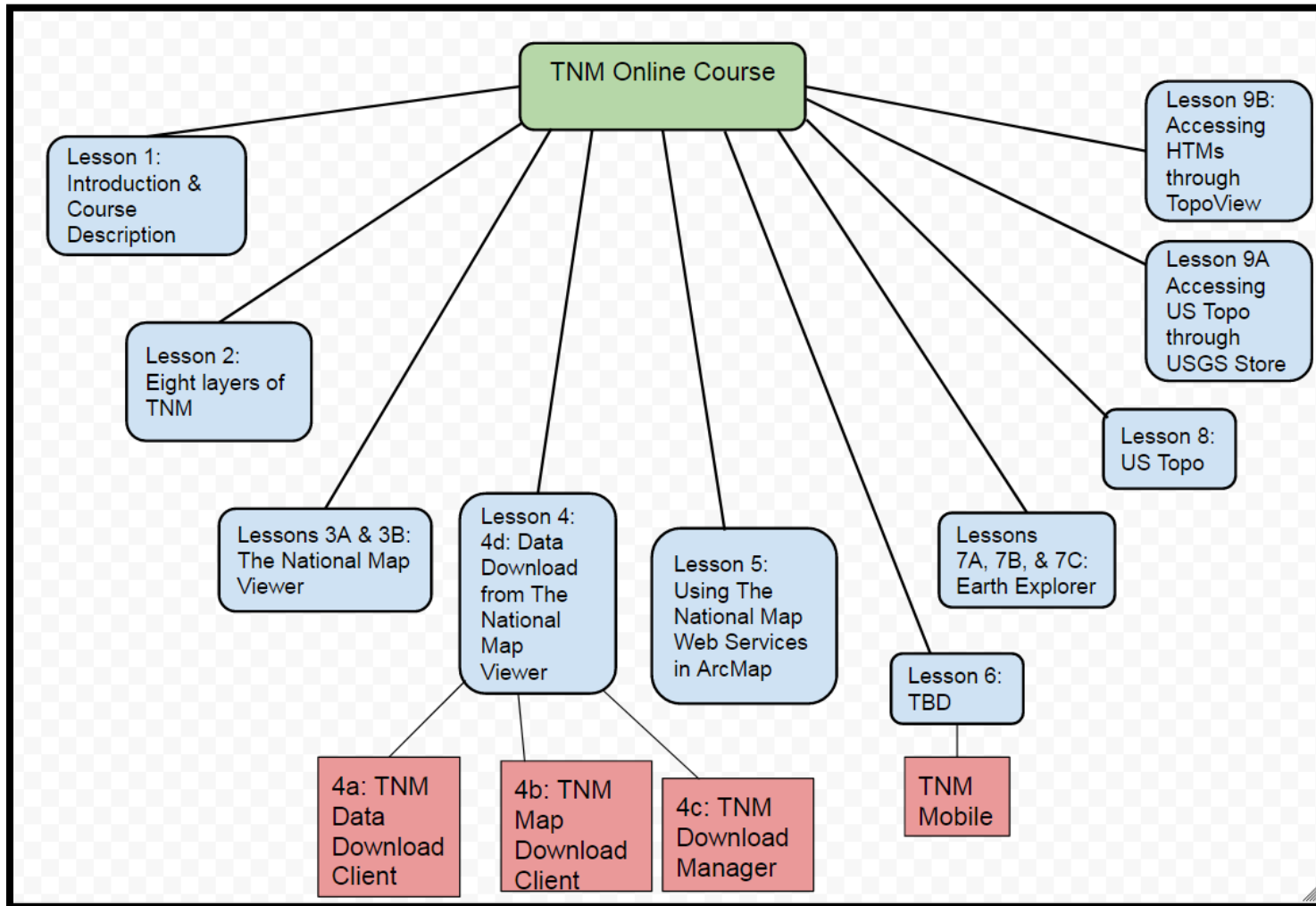
Multibeam Bathymetry

USGS

1:08 / 7:30

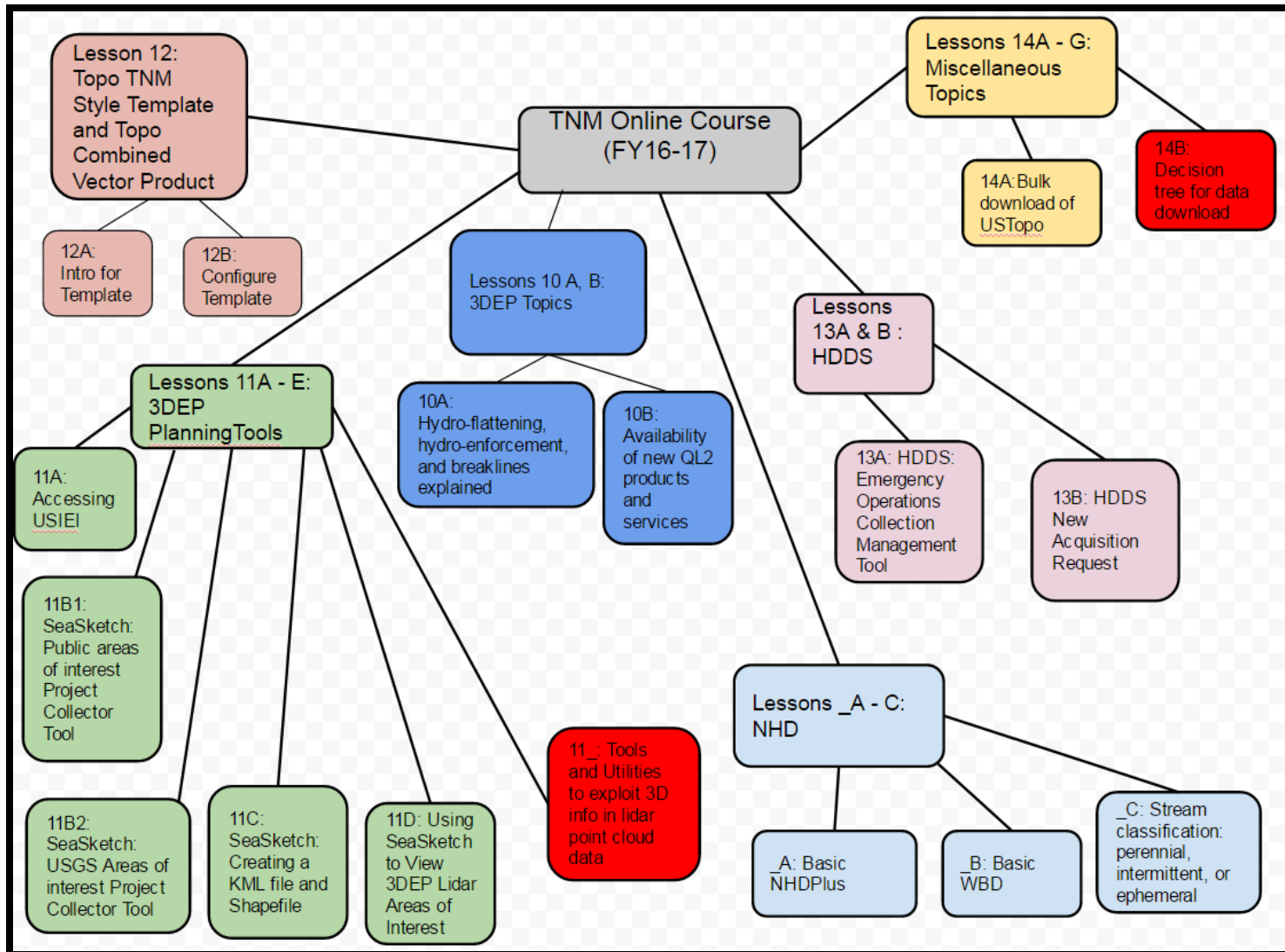
# + First Group of Lessons – FY15-16

5



# + Second Group of Lessons– FY16-17

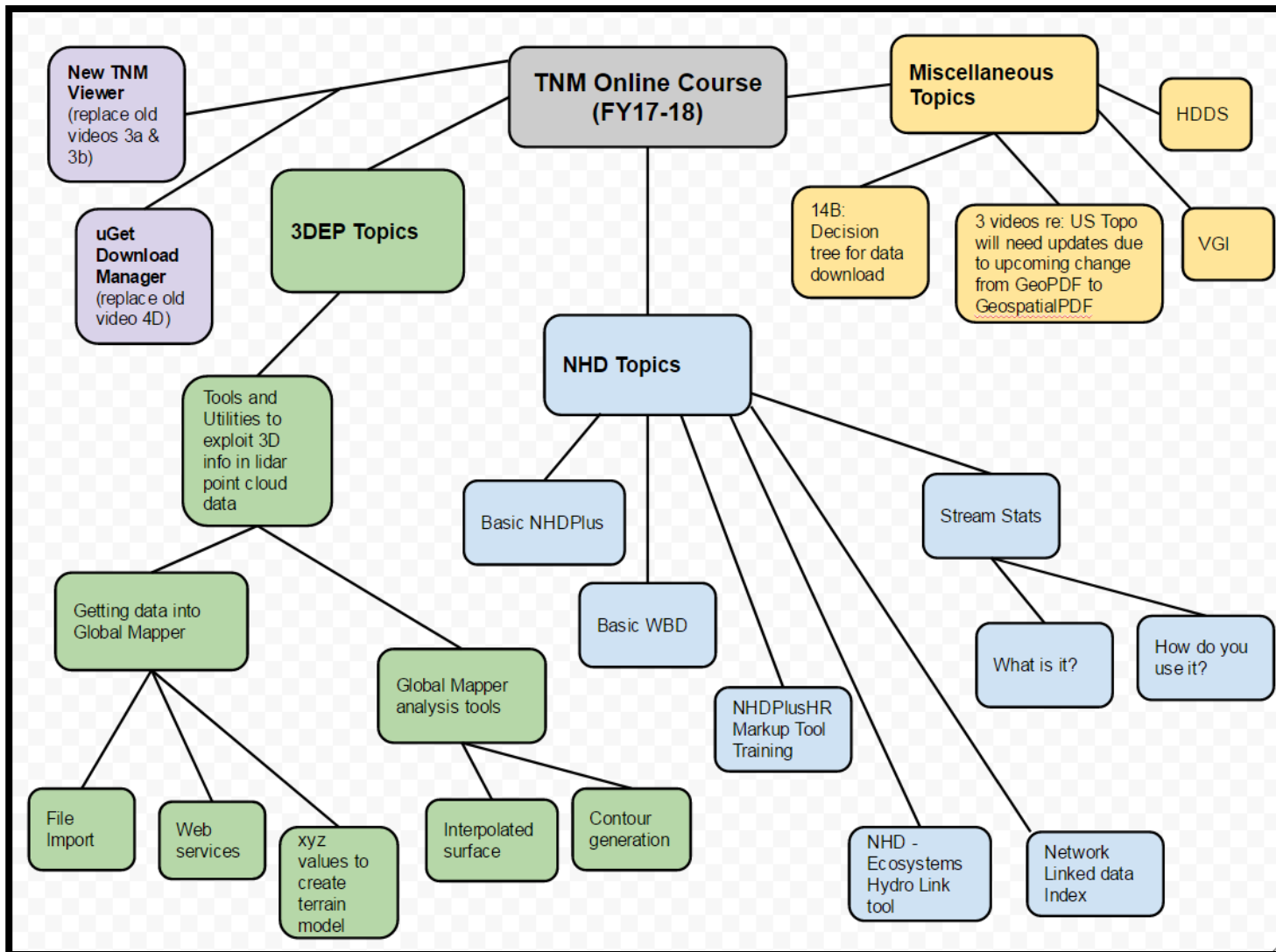
6





# + Third Group of Lessons – FY17-18

7



# + Demonstration

8

Secure | <https://viewer.nationalmap.gov/launch/>

Apps | Texas Water Science | The National Map: 3D | <https://ecomputing.usgs.gov/> | Welcome to PTS | Index of /vdelivery/D/ | USGS Lidar Science | USGS Mapping Innov | USGS Historical Topo

**USGS** **The National Map**  
science for a changing world Your Source for Topographic Information

**USGS Home**  
**Contact USGS**  
**Search USGS**

**The National Map** Follow @USGSTNM

## Data Download and Visualization Services

### Maps

- Download Maps
- Explore Historical Topo Maps and Download
- Buy a Printed Map
- CSV of Map Products

### GIS Data

- Download GIS Data**
- Cloud Browse
- FTP Access
- Small-scale Data
- Historical Data Archives
- Hazards Events

### Visualization

- TNM Viewer**
- TNM Viewer (legacy)
- List of Map Services
- How to Use Map Services
- Map Service Status
- Advanced Viewers

### Applications

- TNM Download Client
- TNM Mobile
- USGS Streamer
- Application List

### Tools

- Elevation Tools
- Metadata Lineage Reporter**
- Point Query Service (PQS)
- Raster Conversion Tools
- Topo TNM Style Template**
- Other API Example Demos

### More Information

- How To Videos**
- FAQs
- List of Data Services
- TNMAccess API
- TNM Metrics
- Contact Us

### Important Notice

The new TNM Viewer has been released: <https://viewer.nationalmap.gov/advanced-viewer/>. This viewer will be taking the place of the previous (legacy) viewer. The old viewer will be retired at the end of September 2017.

### What's New

2017-05-10 00:00:01 **Scheduled Maintenance**  
The National Map services will be unavailable on May 13 from 8:00 am to 4:00 pm MT for maintenance during an electrical outage. Product searches in The National Map download client will also be unavailable from May 13-14.

2017-05-05 00:00:00 **New Download Products**  
New NHDPlus High Resolution (NHDPlus HR) products added to TNM Download Client. <https://viewer.nationalmap.gov/basic/>

2017-04-24 00:00:00 **NHD/WBD Service Split**  
The Watershed Boundary Dataset service has been split out from the National Hydrography Dataset (NHD). The new service is located at: <https://services.nationalmap.gov/arcgis/rest/services/wbd/MapServer/>

2017-04-14 00:00:00 **Scheduled Maintenance**  
Product searches in The National Map download client may be unavailable from 11:00 am to 3:00 pm MST on Friday, April 14 for maintenance of our ScienceBase catalog. Sorry for the inconvenience.

2017-04-06 00:00:00 **Service List**  
Updated listed published date to latest refresh date: <https://viewer.nationalmap.gov/services/>.

2017-03-27 00:00:00 **Updated Hillshade Service**  
Updated the Hillshade service

Accessibility | FOIA | Privacy | Policies and Notices

U.S. Department of the Interior | U.S. Geological Survey  
URL: <https://viewer.nationalmap.gov/launch/> Page Last Modified: 06-Mar-17  
Page Contact Information: [The National Map](#)

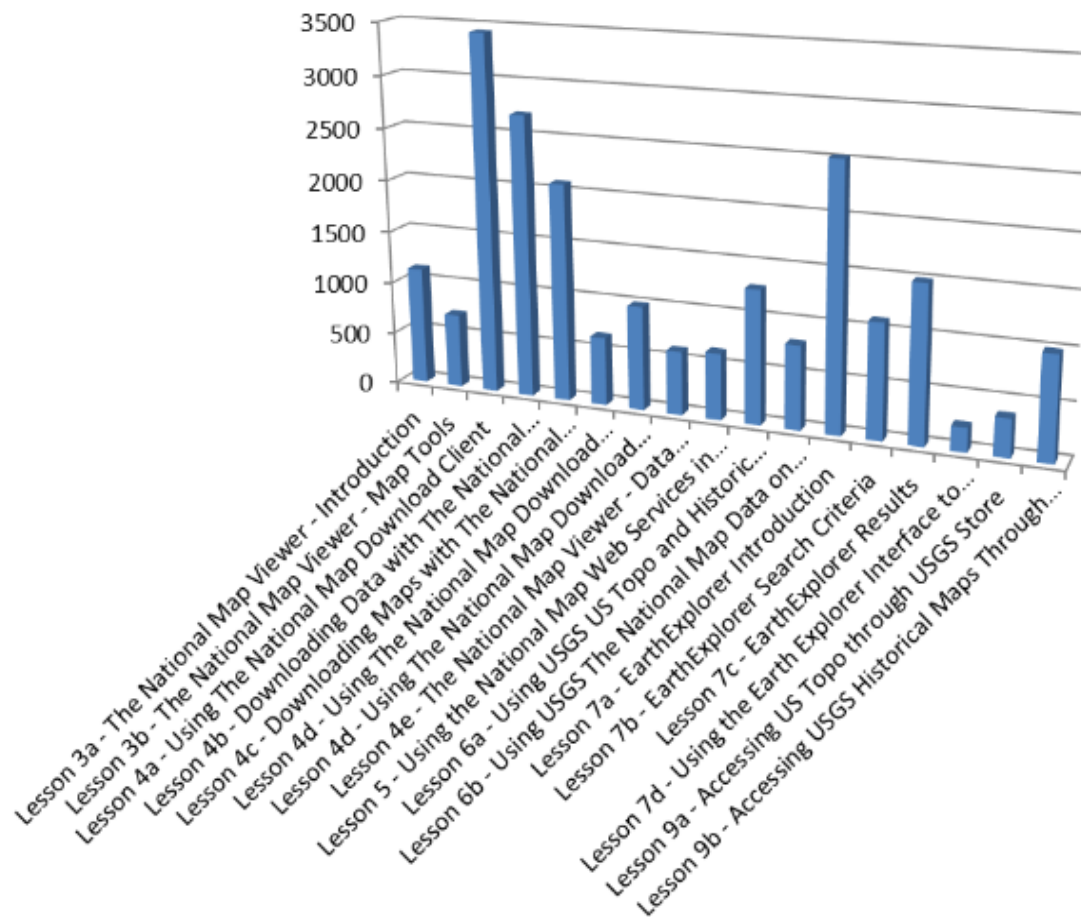
**USA.gov**  
Your Source for Government Information



# + Metrics

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## Total YouTube Views Per Video



- Over 20,000 YouTube Views between December 2015 and September 2016
- 45,000 total views as of 5/30/17

# Communications and Future Plans

- Press release / technical announcement was posted to the USGS News site, link to this release also went out via Twitter and Facebook from official social media accounts
- Maintain awareness of revisions needed and make appropriate updates
- Create an improved and more functional course listing page, the existing page is unwieldy and our expanding list of lessons has outgrown the usefulness of the page



# Thank you!

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[cdevaugh@usgs.gov](mailto:cdevaugh@usgs.gov)